CURRICULUM VITAE

Name: **Dr: Abdel-Wahab Abdel-Moez Abdel-Warith.**

Date of birth: May 3rd 1964.

Place of birth: Assiut, Egypt.

Nationality: Egyptian.

Address: King Saud University, Collage of Science, Department of Zoology
Riyadh, KSA.

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QUALIFICATIONS

1- **BSc.** Animal Production Department, Faculty of Agriculture, Al-Azhar University, Naser City, Cairo, Egypt.
Year of graduation: 1987. Estimation: Very good.

2- **MSc.** In Fish Production.
Faculty of Agriculture, Al-Azhar University, Naser City, Cairo, Egypt.
Year of graduation: 1993.

3- **Ph.D.** In Fish Nutrition and Management.
Fish Nutrition Unit, Department of Biological Sciences, Faculty of Science, Plymouth University, United Kingdom.
Year of graduation: 2002.

PROFESSIONAL EXPERIENCE

- A Demonstrator in animal production and fish nutrition from 1989 till 1993.
- An assistant lecturer from 1993 till 1997 in animal production and fish nutrition Al-Azhar University Faculty of Agriculture, Cairo, Egypt.
- Part time lecture in Department of Biological Sciences Plymouth University, UK from 1999 till 2002.
- Assistant professor at the Department of animal and fish production, Al-Azhar University Faculty of Agriculture, Cairo, Egypt from August, 2002 till 2008.
- Associate professor at the Department of animal and fish production, Al-Azhar University Faculty of Agriculture, Cairo, Egypt 2009.
- Assistant professor at the Department of Zoology, College of Science, King Saud University, Kingdom of Saudi Arabia 2009 to 2014.

- Associate professor in Department of Zoology, College of Science, King Saud University, Kingdom of Saudi Arabia 2014 till now.

Reviewed Projects, researches and thesis

	Date of review	Title	
Projects :			
Deanship of scientific research, King Abulaziz University, Jeddah, KSA	8/10/2013	ROLE OF SUPPLEMENTARY FEEDS ON GONAD MATURATION AND REPRODUCTIVE PERFORMANCE OF INDIAN WHITE PRAWN, PENAEUS INDICUS"	1
Deanship of scientific research, King Abulaziz University, Jeddah, KSA	6/10/2013	Description and evaluation of pot fishing in Jeddah fisheries of the Red Sea, Saudi Arabia	2
Deanship of scientific research, King Abulaziz University, Jeddah, KSA	5/11/2012	Chemical characterization of the Saudi Red Sea soft coral Sarcophytonsp	3
Deanship of scientific research, King Abulaziz University, Jeddah, KSA	20/11/2012	Bioactive secondary metabolites from the Red Sea soft coral Heteroxeniasp	4
Chinese Journal of Oceanology and Limnology	16/4/2014	Thank you for agreeing to review Manuscript ID CJOL-2014-Feb-0037 entitled "Effects of dietary genistein on growth performance, digestibility and body composition of Nile tilapia (*Oreochromisniloticus*)". Please try your best to complete your review by 16-Apr-2014.	5
Journal of Applied Aquaculture	2014	Effect of Housefly Maggot Meal (Magmeal) Supplemented Diets on the Gonadal Development of *Clariasgariepinus*	6
Deanship of scientific research, Tayef University, KSA	4/1/2015	Comparative molecular study on tilapia fish inhabiting Egypt and Kingdom of Saudi Arabia.	7
Deanship of scientific research, Tayef University, KSA	5/1/2015	Using RAPD-PCR analysis to determine the relationship between three marine fishes	8
Deanship of scientific research, King Abulaziz University, Jeddah, KSA	17/12/2015	Assessing the efficacy Red Sea seaweed extracts in controlling biofouling growth on cage net materials used for off-shore aquaculture	9
Deanship of scientific research, King Abulaziz University, Jeddah, KSA	28/12/2015	Fishery biology and stock assessment of the Indian mackerel *Rastrelligerkanagurta* in Jeddah fisheries, Saudi Arabia	10
Italian journal of animal Science	3/3/2016	Effects of Dietary Surfactin Supplementation on Growth Performance, Intestinal Digestive Enzymes Activities and Some Serum Biochemical Parameters of Tilapia (*Oreochromisniloticus)* fingerlings.	11
Thesis discussed			
Zoology department, college of Science, King Saud University, KSA	19/2/2015	Ecophysiological aspects and diversity of freshwater fishes in drainages of Al-Ahsa, Saudi Arebia	1
Zoology department, college	21/4/2015	Effect of Dietary Protein Level and Amino Acids	2

of Science, King Saud University, KSA		Variety on Growth of Nile Tilapia *Oreochromis niloticus*	
Department of animal production and fisheries, faculty of agrivculture science, King Fasal University, KSA	23/4/2015	Effect of supplementation of green tea and cinnamon on growth performance, body composition and blood parameters for Asian sea bass.	3
Zoology department, college of Science, King Saud University, KSA	17/5/2015	Effect of seaweeds *Ulva lactuca* and *Gracilaria arcuata* as dietary protein source on growth performance and nutritional value of Nile tilapia *Oreochromisniloticus.*	4
Department of animal production and fisheries, faculty of agrivculture science, King Fasal University, KSA	2/6/2016	Studies the effect of Aquabonic technology on water quality and Nile tilapia production.	5
Zoology department, college of Science, King Saud University, KSA	29/9/2016	Biological aspects and stock assessment of *Lethrinus lentjan*, in the red sea coast of Jeddah, Saudi Arabia.	6
Department of animal production and fisheries, faculty of agrivculture science, King Fasal University, KSA	9/11/2016	Responsible of Nile tilapia to the diets supported by bread yeast *Saccharomyces cerevisiae*	7
Zoology department, college of Science, King Saud University, KSA	6/5/2018	Impact of replacing fish meal by a mixture of different plant protein sources on the growth performance in Nile Tilapia (*Oreochromis niloticus* L.) diets	8

PUBLICATIONS

1- Abdel-Hakim, N.F., F.A. El-Nemaki, A.A. El-Gamel and **A.A. Abdel-Warith** (1995). Effect of different stocking rates on growth performance of tilapia nilotica (*Oreochromis niloticus*) fingerlings. Egyptian Journal of Agriculture Research, 73(3), 873-888.

2- Davies, S. J., Fagbenro O. A., Abdelwarith A., Diller I. (1999). Use of soybean products as fishmeal substitute in African catfish, *Clarias gariepinus.* Appl. Trop. Agriculture 14 (1) 10-19.

3- Davies, S., Fagbenro, O. A., Abdel-Warith, A. and Diler, I. (2000). Use of oil seeds residues as fishmeal replacer in diets fed to Nile tilapia, *Oreochromis niloticus*. Appl. Trop. Agric., 5: 1-10.

4- **Abdel-Warith, A. A.,** P. M. Russell & S. J. Davies (2001). Inclusion of a commercial poultry by-product meal as a protein replacement of fishmeal in

practical diets for African catfish, *Clarias gariepinus*. **Aquaculture Research,** 32 (Supplement 1), 296-305. **(ISI)**

5- **Abdel-Warith A.A. (2002).** Suitability of selected raw materials and by-products in formulated feeds for Nile tilapia *Oreochromis niloticus* and African catfish *Clarias gariepinus* . Ph.D thesis, Fish Nutrition Unit, Dept. of Biological Sci. Plymouth Univ. UK.

6- Abdel-Hakim, N.F., **A.A. Abdel-Warith,** A.A. Al-Azab, and F.S. Abbass (2005). Effect of dietary reserpine tranquilizer supplementation on growth performance and nutrient utilization of Nile tilapia (*Oreochromis niloticus*). J. Egypt. Acad. Soc. Environ. Develop., Vol. 6 (2), 151-161.

7- El-Kholy, Kh.F., A.A. Al-Azab, **A.A. Abdel-Warith,** and H.A. Abo State (2005). Effect of partial replacement of fish meal by full fat soybean meal or cottonseed meal supplemented with iron on growth performance and body composition of juvenile Nile tilapia (*Oreochromis niloticus*). Egyptian J. Nutrition and feeds, 8(1) Special Issue: 1157-1170.

8- Abdel-Hakim N.F., El-Kholy, Kh.F., Al-Azab, A.A., **Abdel Warith., A.A. (2006).** Effect of dietary high lysine and methionine levels on growth performance of Nile tilapia (*Oreochromis niloticus*) fed on diet at different frequencies. Egyptian J. Nutrition and feeds, 9 (1): 55-70.

9- Abdel-Hakim N.F., Al-Azab, A.A., **Abdel Warith., A.A.,** El-Kholy, Kh.F. and Hayam D. Tonsy. (2006). Effect of replacing yellow corn by dried carrots or dried carrot tops on growth performance of growing Nile tilapia (*Oreochromis niloticus*). Egypt. J. of Appl. Sci., 21(6B): 455-469.

10- **Abdel-Warith, A. A.,** A. A. Al-Azab. (2007). Partial and total substitution of fish meal by poultry by-product meal in dirts for monosex Nile tilapia (*Oreochromis niloticus*). Annals Of Agric. Sci., Moshtohor, Vol. 45(4): 1381-1393.

11- **Abdel-Warith A.A. (2008).** Using different types of soybean meals as protein sources replace fishmeal in diets for monosex Nile tilapia (*Oreochromis niloticus*). J. of Mansoura Univ. for Agric Sci., 33(7).

12- **Abdel-Warith A.A. (2008).** Effect of dietary protein levels on growth performance, feed utilization and body composition of monosex Nile tilapia

(*Oreochromis niloticus*). J. of Mansoura Univ. for Agric Sci., 33(10): 8011-8023.

13- Abdel-Hakim N.F., M. E. Lashin, **Abdel Warith., A.A.** and S. M. Al-Saiad (2009). Studies on protein and energy requirements of Nile tilapia (*Oreochromis niloticus*) reared in tanks. Egypt. J. Aquat. Biol. & Fish., vol. 13, (4) : 141-160.

14- Al-Asgah, N.A.; Younis, E. M.; **Abdel-Warith, A.A.;** Ali, A. and El-Khaldy, A.A. (2011) Effect of feeding different levels of olive waste on growth performance and body composition of Nile tilapia *Oreochromis niloticus***. Int. J. Agric. Biol.,** Vol. 13, No. 2, 239-244**. (ISI).**

15- Younis. E. M., **A.A. Abdel-Warith.,** Ali, A., Al-Asgah, N.A., A.S. El-Shayia. (2011). Chemical composition and mineral contents of six commercial fish species from the Arabian Gulf coast of Saudi Arabia. **J. Ani. Vet. Adv.,** 10 (23) 3053-3059. **(ISI).**

16- **Abdel-Warith, A. A.*,** Younis, E. M., Al-Asgah, N. A., and Wahbi, O. M. (2011). Effect of zinc toxicity on liver histology of Nile tilapia, *Oreochromis niloticus.* **Scientific Research and Essays** Vol. 6(17), pp. 3760-3769. **(ISI).**

17- Simon J. Davies**, A. A. Abdel-Warith** and Ant´onio Gouveia (2011). Digestibility Characteristics of Selected Feed Ingredients for Developing Bespoke Diets for Nile Tilapia Culture in Europe and North America. **JOURNAL OF THE WORLD AQUACULTURE SOCIETY**, Vol. 42, No. 3, 388-398. **(ISI).**

18- Younis, E. M, **Abdel-Warith, A. A.** and Al-Asgah, N. A. (2012). Hematological and enzymatic responses of Nile tilapia *Oreochromis niloticus* during short and long term sublethal exposure to zinc. **African Journal of Biotechnology,** Vol. 11(19), 4442-4446. **(ISI)**

19- **Abdel-Wahab Abdel-moez Abdel-Warith**, Elsayed Mohammad Younis, and Al-Asgah, Nasser Abdualla. (2013). Influence of Dietary Inclusion of Full-Fat Soybean Meal and Amino Acids Supplementation on Growth and Digestive Enzymes Activity of Nile Tilapia, *Oreochromis niloticus*. **Turkish Journal of Fisheries and Aquatic Sciences**. 13: 69-77. **(ISI)**

20- Younis, E. M., **A. A. Abdel-Warith** , N. A. Al-Asgah, , H. Ebaid and M. Mubarak, (2012). Histological Changes in the Liver and Intestine of Nile

Tilapia *Oreochromis niloticus* Exposed to Sublethal Concentrations of Cadmium. **Pakistan Journal of Zoology**, Vol. 45(3), 833-841 **(ISI)**.

21- **Abdel-Warith, A.A.** (2013). Effect of fertilization sources with artificial feeding on growth performance, water quality and returns of monosex Nile tilapia (*Oreochromis niloticus*) reared in earthen ponds. Egyptian Journal of Aquatic Biology and Fisheries. Vol. 17 (2), 91-104.

22- Mohssen, S. Hessein, Al-desoki, A.M. Al-Azab, **Abdel-Wahab, A. Abdel-Warith**, Medhat, E. Seden and Mohammed, S.A. Bolbol (2013). Nutritional studies on brewer dried grains as an alternative protein source for Nile tilapia (*Oreochromis niloticus*) diets. Egyptian Journal of Aquatic Biology and Fisheries. Vol. 17 (4), 49-57.

23- Hessein, M.S. Al-Azab, A.A., **Abdel-Warith, A.A.,** Mohammad H. Ahmad and Abo-Hashem, A.M. (2013). Effects of replacing fish meal with poultry by-product meal on growth performance, feed utilization and whole body composition of African catfish, *Clarias gariepinus*. Abbassa International Journal for Aquaculture, Vol. 6(1): 1-18.

24- **ABDEL-WARITH**, **A. A.,** E. M. YOUNIS, N. A. AL-ASGAH, AND H. Y. ALLAM (2014). Maize gluten meal as a protein source in diets for African catfish *Clarias gariepinus*, including effects on liver glycogen and histology. **Indian Journal of Fisheries**, 61(3): 74-82. (ISI)

25- YOUNIS Elsayed, **ABDEL-WARITH Abdel-Wahab**, AL-ASGAH Nasser, EBAID. Hossam. (2015). Histopathological alterations in liver and intestine of Nile tilapia *Oreochromis niloticus* exposed to long-term sublethal concentrations of cadmium chloride. **Chinese Journal of Oceanology and Limnology**, 33 (4):846-852. (ISI)

26- Al-Asgah Nasser A.**, Abdel-Wahab A. Abdel-Warith**, El-Sayed M. Younis, and Hassan Y. Allam (2015). Haematological and biochemical parameters and tissue accumulations of cadmium in *Oreochromis niloticus* subjected to long term exposure to various concentrations of cadmium chloride. **Saudi Journal of Biological Sciences**, 22, 543–550 (ISI).

27- Elsayed M. Younis, Nasser A. Al-Asgah, **Abdel-Wahab A. Abdel-Warith**, Abdullah A. Al-Mutairi (2015). Seasonal variations in the body composition and bioaccumulation of heavy metals in Nile tilapia collected from drainage

canals in Al-Ahsa, Saudi Arabia. **Saudi Journal of Biological Sciences**, 22, 443–447 (ISI).

28- Al-Asgah, Nasser A., El-Sayed M. Younis, **Abdel-Wahab A. Abdel-Warith** Faozi S. Shamlol (2016). Evaluation of red seaweed *Gracilaria arcuata* as dietary ingredient in African catfish, *Clarias gariepinus.* **Saudi Journal of Biological Sciences**, 23, 205-210. (ISI)

29- **Abdel-Wahab A. Abdel-Warith**, El-Sayed M. I. Younis, Nasser A. Al-Asgah, (2016). Potential use of green macroalgae Ulva lactuca as a feed supplement in diets on growth performance, feed utilization and body composition of the African catfish, *Clarias gariepinus*. **Saudi Journal of Biological Sciences**, 23, 404-409. ISI

30- El-Sayed M. Younis, Abdullah S. Al-Quffail, Nasser A. Al-Asgah, Abdel-Wahab A. Abdel-Warith, Yousef S. Al-Hafedh (2018). Effect of dietary fish meal replacement by red algae, *Gracilaria arcuata*, on growth performance and body composition of Nile tilapia *Oreochromis niloticus.* **Saudi Journal of Biological Sciences,** Volume 25, Issue 2, February 2018, Pages 198-203.

31- **W. Abdel-Warith**, N. Al-Asgah, Y. El-Sayed, A. El-Otaby and S. Mahboob (2019). The effect of replacement of fish meal with Amino Acids and Optimized Protein Levels in the diet of the Nile Tilapia Oreochromis niloticus **Brazilian Journal of Biology**, Vol. 79, Issue 4. P 703-711.

32- **A. A. Abdel-Warith, E. M. Younis, N. A. Al-Asgah and S. Mahboob (2020).** Effect of replacing fish meal by full fat soybean meal on growth performance, feed utilization and gastrointestinal enzymes in diets for African catfish *Clarias gariepinus.* **Brazilian Journal of Biology, vol. 80, (3) pp.535-543**

33- **A-A A Abdel-Warith** and E A Elsayed (2019). Use of *Arthrospira platensis* as a Feed Additive to Improve Growth Performance, Feed Utilization, Body Composition, and Immune Response of Nile Tilapia, *Oreochromis niloticus.* **Journal of Scientific & Industrial Research**, Vol. 78, 10, 681-686.

34- Elsayed M Younis, Abdel-Wahab A Abdel-Warith, Nasser A Al-Asgah, Abdalla S Al-quffail and Elsayed Ahmed Elsayed, (2019). Growth Performance and Body Composition of Nile Tilapia Oreochromis niloticus

Fed Diets Containing Graded Levels of Seaweed Ulva lactuca. **Journal of Scientific & Industrial Research,** Vol. 78, 12: 873-878.

35- Elsayed M Younis, **Abdel-Wahab A Abdel-Warith**, Nasser A Al-Asgah1, Hossam Ebaid1, Rewaida Abdel-Gaber and Elsayed Ahmed Elsayed. (2020). Toxico-histological Effects of Sublethal Concentrations of Lead Nitrate on the Gills of the African Catfish, *Clarias gariepinus.* **Journal of Scientific & Industrial Research,** Vol. 79,2: 170-175.

36- **Abdel-Wahab A. Abdel-Warith**, El-Sayed M.I. Younis, Nasser A. Al-Asgah, Ahmed M. Rady, Hasan Y. Allam (2020). Bioaccumulation of lead nitrate in tissues and its effects on hematological and biochemical parameters of *Clarias gariepinus*. Saudi Journal of Biological Sciences 27 (3) 840–845.

37- Elsayed M. Younis , Nasser A. Al-Asgah , **Abdel-Wahab A. Abdel-Warith**, Mohamed H. Gabr , Fozi S. Shamlol (2020). Analysis of reproductive biology and spawning season of the pink ear emperor Lethrinus lentjan, from marine ecosystem. ZOOLOGIA 37:

38- A. Amala Lourthuraj, M. Masilamani Selvam, M. Saddam Hussain, **Abdel-Wahab A. Abdel-Warith,** Elsayed M.I. Younis, Nasser A. Al-Asgah (2020). Dye degradation, antimicrobial and larvicidal activity of silver nanoparticles biosynthesized from *Cleistanthus collinus*. **Saudi Journal of Biological Sciences,** Volume 27, Issue 7, July 2020, Pages 1753-1759.

39- **Abdel-Wahab A Abdel-Warith**, Elsayed M Younis, Nasser Al-Asgah, Hossam Ebaid and Elsayed A. Elsayed, (2020). Lead Nitrate Induced Histopathological Alterations in the Liver and Intestine of African Catfish *Clarias gariepinus* Exposed to Sublethal Concentrations. **Journal of Scientific & Industrial Research** Vol. 79, (6), pp. 552-557.

40- Elsayed M. Younis, **Abdel-Wahab A. Abdel-Warith**, Nasser A. Al-Asgah, Mohamed H. Gabr, Fozi S. Shamlol (2020). Demographic structure and stock status of *Lethrinus lentjan* in Saudi coastal waters of the Red Sea. **Saudi Journal of Biological Sciences** 27 (9), 2293–2298.

41- **Abdel-Wahab A. Abdel-Warith,** Ahmed F. Fath El-Bab, El-Sayed M.I. Younis , Nasser A. Al-Asgah , Hassan Y. Allam, Mohamed F. Abd-Elghany,

Yasmin H.M. Shata , Faozi S. Shamlol, (2020). Using of chitosan nanoparticles (CsNPs), Spirulina as a feed additives under intensive culture system for black tiger shrimp (*Penaeus monodon*). **Journal of King Saud University – Science** 32, 3359–3363.

42- Marwa F. Abd El-Kader, Ahmed F. Fath El-Bab, Mohamed F. Abd-Elghany, **Abdel-Wahab A. Abdel-Warith**, Elsayed M. Younis, Mahmoud A. O. Dawood, (2020). Selenium Nanoparticles Act Potentially on the Growth Performance, Hemato-Biochemical Indices, Antioxidative, and Immune-Related Genes of European Seabass (*Dicentrarchus labrax*). **Biological Trace Element Research,**

43- Marwa F. Abd El-Kader, Ahmed. F. Fath El-Bab, Moustafa Shoukry, **Abdel-Wahab A. Abdel-Warith**, Elsayed M. Younis, Eman M. Moustafa, Hanan B. El-Sawy, Hamada A. Ahmed, Hien Van Doan, Mahmoud A.O. Dawood, (2020). Evaluating the possible feeding strategies of selenium nanoparticles on the growth rate and wellbeing of European seabass (*Dicentrarchus labrax*). **Aquaculture Reports** 18, 100539.

44- Rowida E. Ibrahim a, Shaimaa A.A. Ahmed, Shimaa A. Amer, Naif A. Al-Gabri, Amany I. Ahmed, **Abdel-Wahab A. Abdel-Warith**, El-Sayed M.I. Younis, Abdallah E. Metwally (2020). Influence of vitamin C feed supplementation on the growth, antioxidant activity, immune status, tissue histomorphology, and disease resistance in Nile tilapia, Oreochromis niloticus. **Aquaculture Reports** 18 (2020) 100545.

45- Mahmoud A.O. Dawood, Mahmoud S. Gewaily, Ali A. Soliman, Mustafa Shukry , Asem A. Amer, Elsayed M. Younis, **Abdel-Wahab A. Abdel-Warith**, Hien Van Doan, Adel H. Saad 10, Mohamed Aboubakr , Hany M.R. Abdel-Latif and Sabreen E. Fadl (2020). Marine-Derived Chitosan Nanoparticles Improved the Intestinal Histo-Morphometrical Features in Association with the Health and Immune Response of Grey Mullet (Liza ramada). **marine drugs, 18**, 611; doi:10.3390/md18120611

46- Elsayed M. Younis, Abdel-Wahab A. Abdel-Warith, Nasser A. Al-Asgah, Soltan A. Elthebite, Md Mostafizur Rahman, (2021). Nutritional value and bioaccumulation of heavy metals in muscle tissues of five commercially

important marine fish species from the Red Sea. **Saudi Journal of Biological Sciences.**

47- Eman M. Awed, Kadry M. Sadek, Magdy K. Soliman, Riad H. Khalil, Elsayed M. Younis, Abdel-Wahab A. Abdel-Warith, Hien Van Doan, Mahmoud A.O. Dawood and Hany M.R. Abdel-Latif. (2020). *Spirulina platensis* Alleviated the Oxidative Damage in the Gills, Liver, and Kidney Organs of Nile Tilapia Intoxicated with Sodium Sulphate. **Animals**, 10(12), 2423.

BOOK PUBLICATIONS

1- **Essential of fish feeding and diets formulation (2004).** Abdel-Hakim N.F., T. M. Younis, **A. A. Abdel-Warith** and M. A. Soltan. I.S.B.N. 977-17-1395-7. PP 288.

2- **Fish Nutrition (2006). A. A. Abdel-warith**. Egyptian Library No. 8666. PP 232.

3- **Integrated fish farming (2020). Abdel-Wahab A. Abdel-Warith** and Hassan Y. Allam, pp 304.

Presentations and conferences attended

1- Attend and Met the Standards Required for Completion of a Training Courses in :

- Strategic Planning
- Leadership
- Performance Monitoring and Evaluation
- Crisis Management
- Decision Making and Taking
- Change Management

This was held during the period from **7/7/2013** to **13/7/2013** at Faculty and Leadership Development Center, Cairo University, Cairo, Egypt.

1- Attend the 11^{th} international congress on the biology of fish, **Edinburgh Scotland, 3-7 August, 2014,** Accumulations of cadmium in some tissues, haematological and biochemical parameters in *Oreochromis niloticus*, exposed to long term various concentration of cadmium chloride.

2- Attend the Fifteenth International Conference on Nutrition and Feeding in Fish, **Molde, Norway, 4-7 June 2012,** Poster presented: Hematological Parameters and Liver Enzymes Changes in Nile Tilapia *Oreochromis niloticus* Exposed to Zinc.

3- Attend the Ninth International Conference on Nutrition and Feeding in Fish, Miyazaki, Japan **May, 2000**. Poster presented: Optimum inclusion levels of poultry by product meal as a protein concentrate for African catfish *Clarias gariepinus* in practical diets.

4- Attend the course of teaching skills for graduate teaching assistance at Plymouth University UK **February, 2001.**

5- Attend course of teaching methods and curriculum development which take place in Alexandria at Helnan Hotel, July **24-27th 2004.** Supporting by Midwest University Consortium for international Active (MUCIA), Inc, and University of Illinois.

6- Attend all the meeting for American Soya Association (ASA) in Cairo and Alexandria.

7- Attend of international symposium in tilapia Aquaculture which takes place in Cairo, **Egypt 2008.**

8- Attend a program in (Smart class and board Technology) for 5 hours. This was held during the period of **15/2/2010.** At King Saud University, Deanship of E-Learning and Distance Learning.

9- Attend DNA Research: A Gateway to Knowledge Economy) At King Saud University in 29/5/1430, **24/5/2009.**

10- Attend the workshop entitled: Distribution of the toxic samsum ant in the Kingdom of Saudi Arabia and the use of its toxins as natural products in the treatment of breast cancer) from 10-12/ 6l1431H, **24-26/05/2010** at Zoology Department, Collage of Science , King Saud University.

11- Attend the workshop entitled (Aquaculture Resource) in 24/10/2017 at Zoology Department, Collage of Science, King Saud University.

12- Attend the academic program (program specification) which was held at King Saud University Deanship of Skills Development during the period of: (**27-28/01/2019)** for a total of (10.00) training hours.